

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A substrate processing system for performing a processing including a plurality of processes on a substrate by operating a number of devices incorporated in a substrate processing apparatus, which comprises:

a storage unit for storing therein commands describing operations of the devices ~~and a data file defining a control of an operation of each of the devices corresponding to the macro files and also defining a control of another device related to the operation of said each of the devices, the data file further defining an alarming operation for reporting a completion of the control of the operation of each of the devices;~~

a generation unit for generating macro files, each of which corresponds to each of the processes, from the stored commands and creating a process sequence macro by combining the generated macro files, ~~and also generating the data file; and~~

an execution unit for executing the process sequence macro; ~~and the control of the operation of each of the devices based on the generated data file~~

wherein the storage unit further stores therein a data file defining a control of an operation of each of the devices corresponding to the macro files; the generation unit generates the data file; and the execution unit executes the control of the operation of each of the devices based on the generated data file; and

wherein the data file also defines an alarming operation for reporting a completion of the control of the operation of each of the devices; and the data file also defines a control of another device related to the operation of each of the devices.

2. (Original) The substrate processing system of claim 1, wherein the generation unit includes a user interface.

3. (Original) The substrate processing system of claim 1 or 2, wherein the commands are converted into hard codes.

4. (Previously Presented) The substrate processing system of claim 1, further comprising another storage unit for storing the generated macro files.

5. (Original) The substrate processing system of claim 4, wherein said another storage unit is identical to the storage unit.

6. (Previously Presented) The substrate processing system of claim 1, further comprising a communication unit for sending the macro files to an external device and receiving the macro files from the external device.

7. (Original) The substrate processing system of claim 6, further comprising a verification unit for examining whether a sequence of each of the macro files is normal.

8. (Canceled)

9. (Previously Presented) The substrate processing system of claim 1, wherein the storage unit incorporates still another storage unit for storing the data file defining the control of the operation of each of the devices corresponding to the macro files.

10. (Canceled)

11. (Currently Amended) A substrate processing method for performing a processing including a plurality of processes on a substrate by operating a multiplicity of devices incorporated in a substrate processing apparatus, the method comprising the steps of:

~~storing commands defining operations of the devices and a data file defining a control of an operation of each of the devices corresponding to the macro files and also defining a control of another device related to the operation of said each of the devices, the data file further defining an alarming operation for reporting a completion of the control of the operation of each of the devices;~~

generating macro files, each of which corresponds to each of the processes, from the stored commands and creating a process sequence macro by combining the generated macro files, ~~and also generating the data file;~~ and

executing the process sequence macro; ~~and the control of the operation of each of the devices based on the generated data file.~~

wherein the storage step further stores a data file defining a control of an operation of each of the devices corresponding to the macro files; the generation step generates the data file; and the execution step executes the control of the operation of each of the devices based on the generated data file; and

wherein the data file also defines an alarming operation for reporting the completion of the control of the operation of each of the devices; and a control of another device related to the operation of each of the devices.

12. (Canceled)

13. (Currently Amended) The substrate processing method of claim ~~[[12]]~~11, wherein the storage step further includes another storage step for storing the data file defining the control of the operation of each of the devices corresponding to the macro files.

14. (Canceled)

15. (Currently Amended) A program for executing a substrate processing method for performing a processing including a plurality of processes on a substrate by operating a multiplicity of devices incorporated in a substrate processing apparatus,

wherein the program's operations executed on a computer comprises:

a storage module for storing therein commands describing operations of the devices ~~and a data file defining a control of an operation of each of the devices corresponding to the macro files and also defining a control of another device related to the operation of said each of the devices, the data file further defining an alarming operation for reporting a completion of the control of the operation of each of the devices;~~

a generation module for generating macro files, each of which corresponds to each of the processes, from the stored commands and creating a process sequence macro by combining the generated macro files, ~~and also generating the data file;~~ and

an execution module for executing the process sequence macro; ~~and the control of the operation of each of the devices based on the generated data file~~

wherein the storage module further stores a data file defining a control of a operation of each of the devices corresponding to the macro files; the generation module generates the data file; and the execution module executes the control of the operation of each of the devices based on the generated data file; and

wherein the data file defines an alarming operation for reporting the completion of the control of the operation of each of the devices; and a control of another devices related to the operation of each of the devices.

16. (Original) The program of claim 15, wherein the commands are converted into hard codes.

17. (Original) The program of claim 15 or 16, wherein the program further operates another storage module for storing the generated macro files on the computer.

18. (Previously Presented) The program of claim 15, wherein the program further operates a transmission module for sending the macro files to an external device and a reception module for receiving the macro files from the external device on the computer.

19. (Original) The program of claim 18, wherein the program further operates a verification module for examining whether a sequence of each of the macro files is normal.

20. (Canceled)

21. (Previously Presented) The program of claim 15, wherein the storage module incorporates still another storage unit for storing the data file defining the control of the operation of each of the devices corresponding to the macro files.

22-26. (Canceled)

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27. (Previously Presented) The substrate processing system of claim 1, wherein the data file defines an interlock for the operation of each of the devices.

28. (Previously Presented) The substrate processing method of claim 11, wherein the data file defines an interlock for the operation of each of the devices.

29. (Previously Presented) The program of claim 15, wherein the data file defines an interlock for the operation of each of the devices.